I hereby certify that this correspondence is being deposited with the United States Postal Service on the date set forth below as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. Date of Signature and Deposit:

7/3/03

John T. Pienkos Reg. No. 42,997

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Terrence M. Rotter et al.
Application No.: 10/035,101
Filed: December 28, 2001
Title: BALANCE SYSTEM FOR SINGLE CYLINDER ENGINE
Group Art Unit: 3747
Examiner: N. Kamen
Atty. Docket No.: 550270.91065

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Please find enclosed a Form PTO/SB/08A listing, on eight (8) pages, numerous additional references for the Examiner's consideration. Copies of each of the listed references, as well as translations as applicable (as discussed below) are also enclosed.

In particular, this Supplemental Information Disclosure Statements includes thirteen (13) Japanese patent documents, which are listed on pages 1-3 of the Form PTO/SB/08A. The Applicants have provided, in addition to the copies of these Japanese patent documents, English translations or copies of corresponding English-language patent documents in accordance with 37 CFR §1.98 (3)(ii).

More specifically, the Applicants have attached translations of portions of the following seven (7) Japanese patent documents: JP57-146938; JP57-171139; JP57-173636; JP58-161134(U); JP60-139994(U); JP1-106657(U); and JP62-15640(U). As for the remaining six (6) Japanese patent documents, the Applicants have included within this Information Disclosure Statement the following corresponding English-language patent documents as follows:

<u>Japanese Document</u>	<u>English-Language Document(s)</u>
JP58-118350	U.S. Patent No. 4,481,918
JP8-261290	Patent Abstract of Japan
JP9-512618	PCT Publication No. WO 95/26474 (see English-language abstract on first page)
JP2000-507670	PCT Publication No. WO 97/37151
JP9-184545	U.S. Patent No. 5,758,615; and Patent Abstract of Japan
JP06-050387	Patent Abstract of Japan

Please note that, while each of the above-listed U.S. patents and PCT publications are listed separately on the Form PTO/SB/08A, the Patent Abstracts of Japan documents are attached to the Japanese patent documents (except in the case of document JP06-050387, in which case the Applicant was unable to obtain a copy of the Japanese document and is only able to submit the corresponding English-language Patent Abstract of Japan). Also, please note that Japanese patent document JP57-171139 also appears to correspond to U.S. Patent No. 4,407,169 (also listed on the Form PTO/SB/08A).

In addition to aforementioned Japanese documents, the Applicants have also submitted herewith various non-English European and PCT patent documents, which are listed on pages

Page 3

3-7 of the Form PTO/SB/08A. Again, the Applicants have provided, in addition to the copies of these foreign-language documents, English translations or copies of corresponding English-language patent documents (in certain cases, as discussed below, such corresponding English-language patent documents have already been submitted previously).

Specifically, page 3 of the Form PTO/SB/08A lists PCT patent publication no. WO 95/26474, which is in German. However, an English abstract is provided on the front page of that publication.

As for the foreign patent documents listed on pages 4-7 of the Form PTO/SB/08A, thirteen (13) of those documents are in German (all of the remaining six (6) foreign patent documents are in English). With respect to these German-language documents, the Applicants have attached translations of portions of the following eleven (11) documents to the respective documents: DE 2,432,188; DE 3,033,803A1; DE 3,120,190A1; DE 3,607,133A1; DE 3,841,374A1; DE 3,927,593A1; DE 4,121,647C1; DE 4,441,798A1; DE 10,010,530A1; DE 19,538,837C1; and DE 3,040,686A1.

With respect to the remaining two (2) German-language patent documents, the Applicants have included with this Information Disclosure Statement (or submitted in previous Information Disclosure Statements, as indicated) the following corresponding English-language patent documents as follows:

German-Language Doc.
DE 742,776

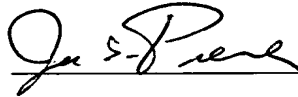
DE 2,408,729

English-Language Document(s)
as best as can be determined,
appears to correspond to U.S.
Patent No. 2,235,160,
(previously submitted)
British patent no. 1,449,329

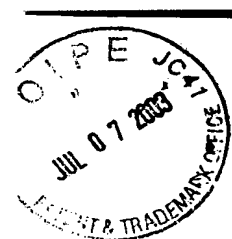
The Applicant appreciates the Examiner's consideration of these documents, which are being submitted in connection with the submission of a Request for Continued Examination of the present Application.

Respectfully submitted,

Terrence M. Rotter, et al.



John T. Pienkos
Reg. No. 42,997
Quarles & Brady LLP
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Milwaukee, WI 53202-4497
(414) 277-5777



PTO/SB/08A (02-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 8

Complete if Known

Application Number	10/035,101
Filing Date	December 28, 2001
First Named Inventor	Terrence M. Rotter et al.
Art Unit	3747
Examiner Name	Kamen, N.
Attorney Docket Number	550270.91065

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 350,068	09-28-1886	C. Louque	
		US- 1,310,090	07-15-1919	H.R. Ricardo	
		US- 1,738,876	12-10-1929	H.J. Edwards et al.	
		US- 1,871,899	08-16-1932	C.O. Marshall	
		US- 4,407,169	10-04-1983	Menen	
		US- 4,440,123	04-03-1984	Tsai	
		US- 4,481,918	11-13-1984	Morton	
		US- 4,509,474	04-09-1985	Schmuck	
		US- 4,628,876	12-16-1986	Fujikawa et al.	
		US- 4,688,528	08-25-1987	Nivi et al.	
		US- 4,781,156	11-01-1988	Berger et al.	
		US- 4,791,830	12-20-1988	Yamamoto et al.	
		US- 4,800,852	01-31-1989	Kandler	
		US- 4,800,777	01-31-1989	Imanishi et al.	
		US- 4,803,964	02-14-1989	Kurek et al.	
		US- 4,819,505	04-11-1989	Takubo et al.	
		US- 5,282,444	02-01-1994	Ito et al.	
		US- 5,335,532	08-09-1994	Mueller et al.	
		US- 5,588,407	12-31-1996	von Essen et al.	

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		GB 249 693 A	04-01-1926	Herbert Austin		
		GB 749 864 A	06-06-1956	Whitworth & Co		
		JP 57-146938 A	09-10-1982	Triumph Motorcycles		
		JP 57-171139 A	10-21-1982	Paran Aaru Menen		
		JP 57-173636 A	10-26-1982	Sulzer AG		
		JP 58-161134 U	10-27-1983	Nissan Motor		

Examiner
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Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	2	of	8
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Complete if Known

Application Number	10/035,101
Filing Date	December 28, 2001
First Named Inventor	Terrence M. Rotter et al.
Art Unit	3747
Examiner Name	Kamen, N.
Attorney Docket Number	550270.91065

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
		US- 5,664,464	09-09-1997	Carson	
		US- 5,927,242	07-27-1999	Kollock	
		US- 5,947,074	09-07-1999	Yapici	
		US- 6,373,205	04-16-2002	Weimer et al.	
		US- 5,758,615	06-02-1998	Kreuter	
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FOREIGN PATENT DOCUMENTS

Examiner Initials ^a	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
		JP 58-118350	07-14-1983	Triumph Motorcycles		
		JP 60-139994 U	09-17-1985	Fuji Feavy Industry		
		JP 1-106657 U	07-18-1989	Hidehiko Nagashima		
		JP 8-261290	10-08-1996	Toyota Jidousha		
		JP 9-512618	12-16-1997	Schrick GMBH Dr.		
		JP 2000-507670	06-20-2000	Walker Patrick Michael Cranst		

Examiner Signature		Date Considered	
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Application Number	10/035,101
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Examiner Name	Kamen, N.
Attorney Docket Number	550270.91065

Sheet	3	of	8
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FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
		JP 62-15640 U	01-30-1987	Toyota Jidousha		
		JP 9-184545	07-15-1997	Meta Motoren Energietechnik		
		JP 06-050387	02-22-1994	Mitsubishi Heavy Ind LTD		
		WO 97/37151	10-09-1997	Walker, Patrick		
		WO 95/26474	10-05-1995	Shrick GmbH		
		WO 02/061303 A1	08-08-2002	Briggs & Stratton Corporation		

Examiner Signature	Date Considered
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Sheet	4	of	8
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		Number-Kind Code ² (if known)			
		US- 1,141,189	06-01-1915	Horace M. Kauffman	
		US- 1,342,648	06-08-1920	Harry Ralph Ricardo	
		US- 1,410,019	03-21-1922	Albert F. Krause	
		US- 1,588,720	06-15-1926	Alva B. Gilbert	
		US- 3,468,190	09-23-1969	Achille C. Sampietro	
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
		DE 742 776	12-10-1943	Dr.-Ing. Frdrik Ljungstrom		
		DE 2 408 729	09-26-1974	Nissan Motor Co., Ltd.		
		GB 1 449 329	09-15-1976	Nissan Motor Co., Ltd.		
		DE 24 32 188	02-04-1975	Ateliers de la Motobecane		
		DE 3 03 803 A1	04-22-1982	Volkswagenwerk AG		
		DE 31 20 190 A1	06-05-1982	Volkswagenwerk AG		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	6	of	8
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First Named Inventor	Terrence M. Rotter et al.
Art Unit	3747
Examiner Name	Kamen, N.
Attorney Docket Number	550270 91065

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
		Country Code ² Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
		DE 195 38 837 C1	02-20-1997	Meta Motoren & Energietechn		
		EP 0 077 634 A1	04-27-1983	Triumph Motorcycles Limited		
		EP 0 227 277 A1	07-01-1987	Ford Motor Company Limited		
		GB 2 311 820 A	10-08-1997	Patrick Michael Cranston Wa		
		GB 749 864	06-06-1956	W.G. Armstrong Whitworth &		
		GB 1 141 189	01-29-1969	Briggs & Stratton Corp.		

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Sheet	7	of	8
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First Named Inventor	Terrence M. Rotter et al.
Art Unit	3647
Examiner Name	Kamen, N.
Attorney Docket Number	550270.91065

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		US-			
		US-			
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		Application Number	10/035,101
		Filing Date	December 28, 2001
		First Named Inventor	Terrence M. Rotter et al.
		Art Unit	3747
		Examiner Name	Kamen, N.
Sheet 8	of 8	Attorney Docket Number	550270.91065

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Chapter 2, Piston Motion, Fundamentals of Automotive Engine Balance, W. THOMSON, 1978, pp. 7-13.	
		Internal-combustion engines, Bosch Automotive Handbook, 4th ed. 1996, pp.384-389.	
		"A Ricardo-designed Two-cylinder Engine," The Motor, May 20, 1924.	
		POPE, JR., A.W., "The C.U.E. Cooperative Universal Engine for Aviation Single-Cylinder Research", CSAE Journal (Transactions), January 1941, pp. 33-40.	
		"FEV 'Systemmotor' Research Engine," obtained at www.fev.com, printed March 17, 2003, 2 pgs.	
		Chapter 17, Piston-engine mechanics and balance, Combustion Engine Processes, Lichty, 1967, pp. 582-593.	
		The Internal Combustion Engine in Theory or Practice, Volume 2: Combustion, Fuels, Materials, Design, revised edition, Charles Fayette Taylor, 1985, pp. 244-251.	
		SHIGLEY, JOSEPH EDWARD; "Dynamic Analysis of Machines," New York, McGraw-Hill, 1961, pp. 534-551.	
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